

FIG. 1

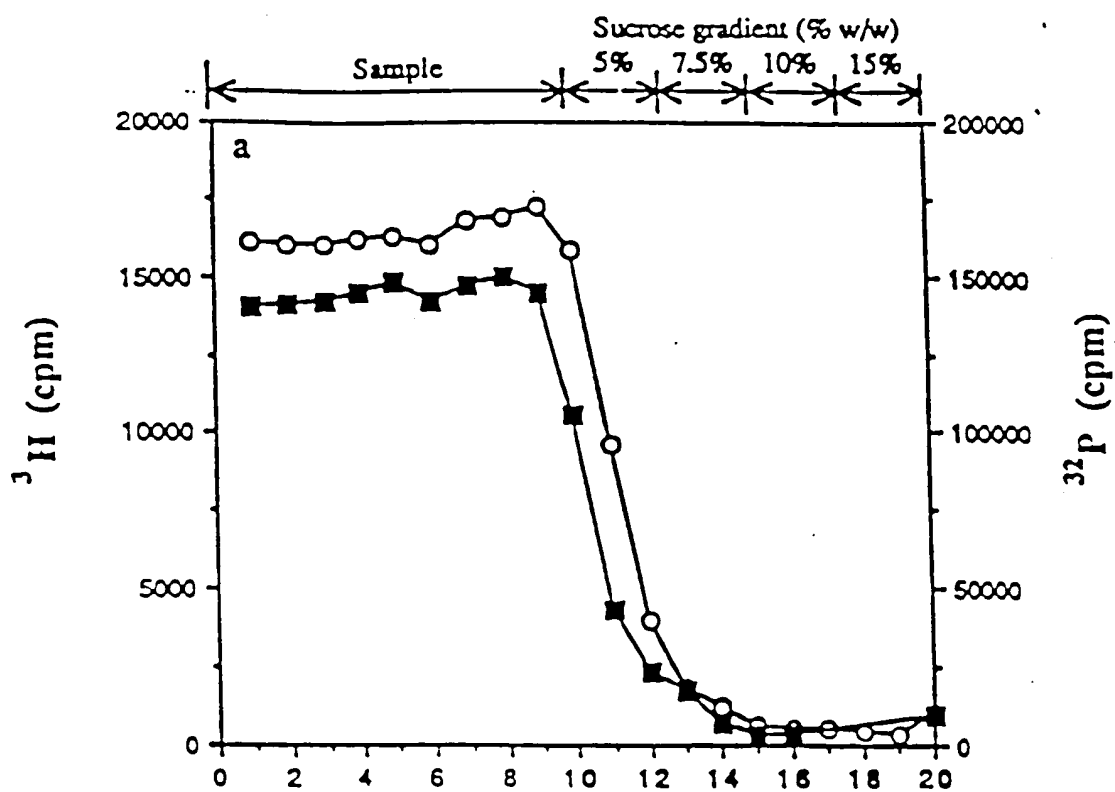


FIG. 2A

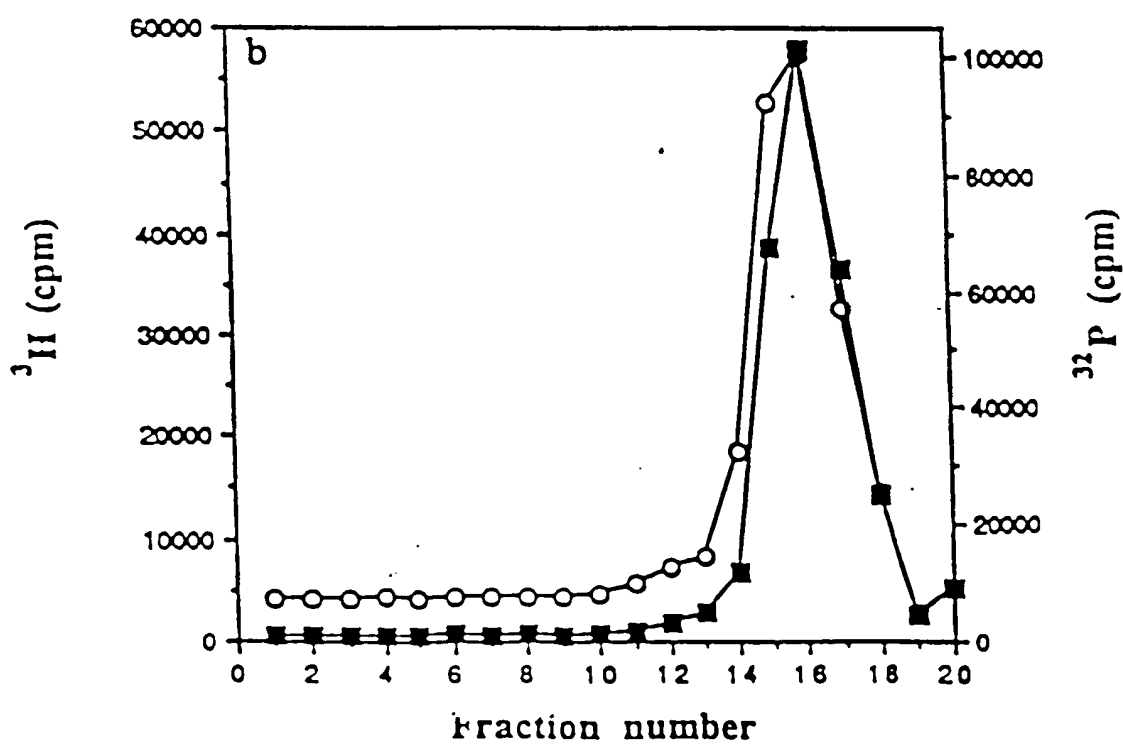


FIG. 2B

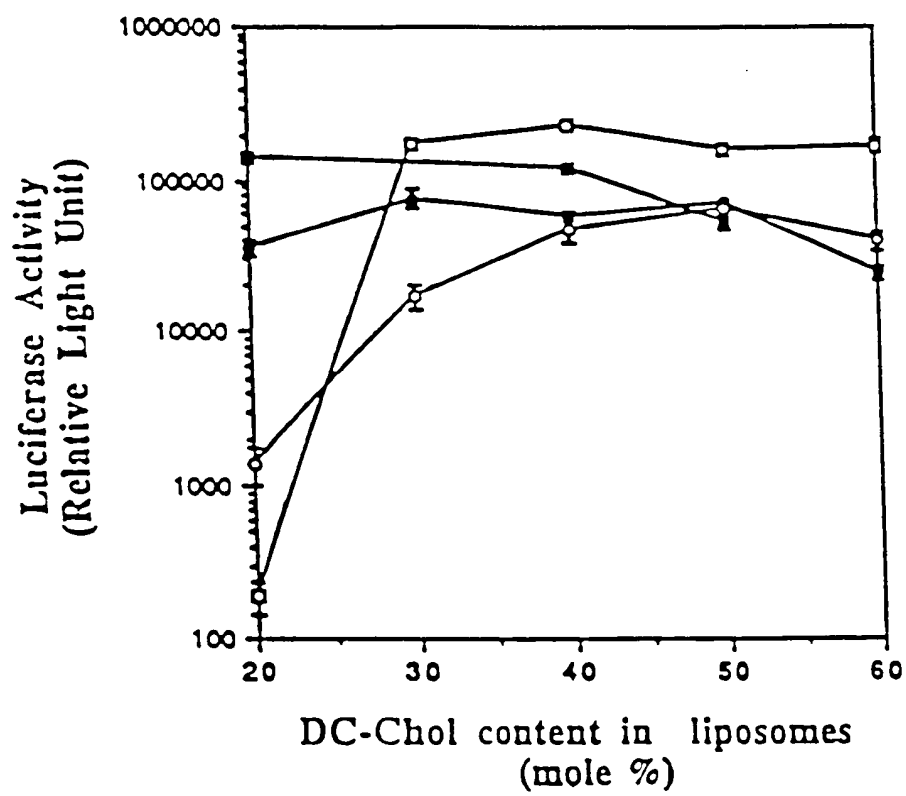


FIG. 3

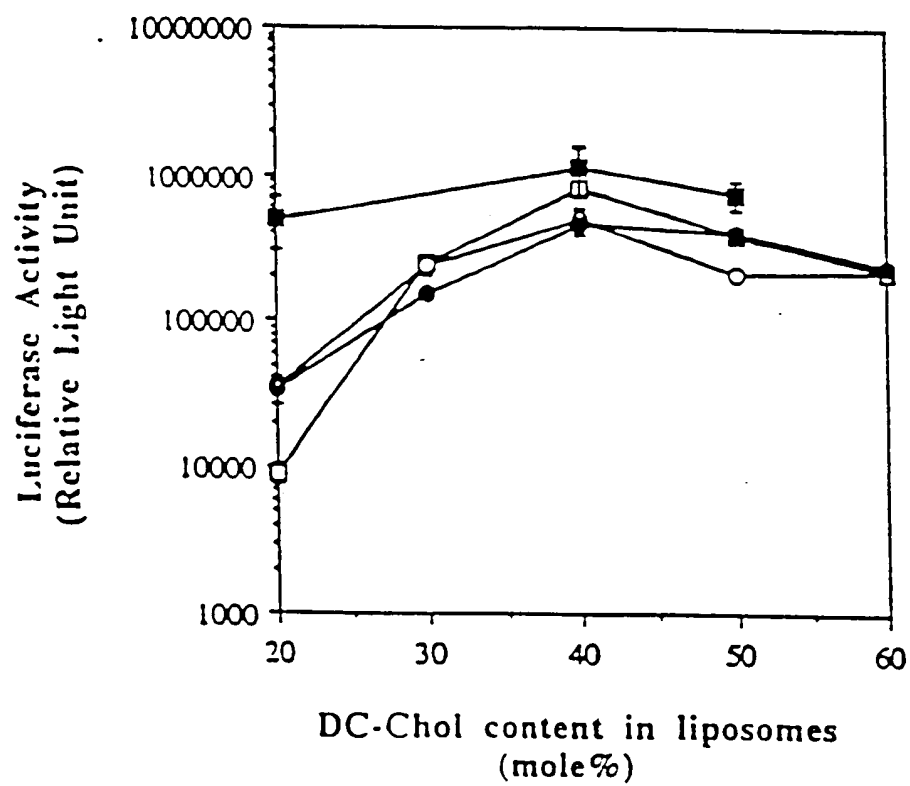


FIG. 4

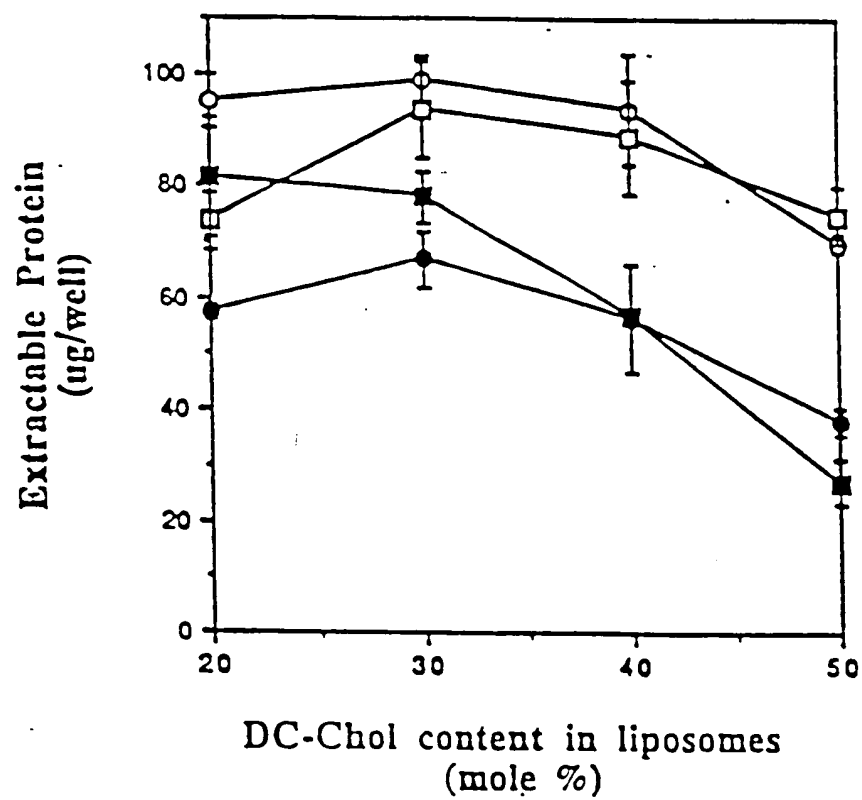


FIG. 5

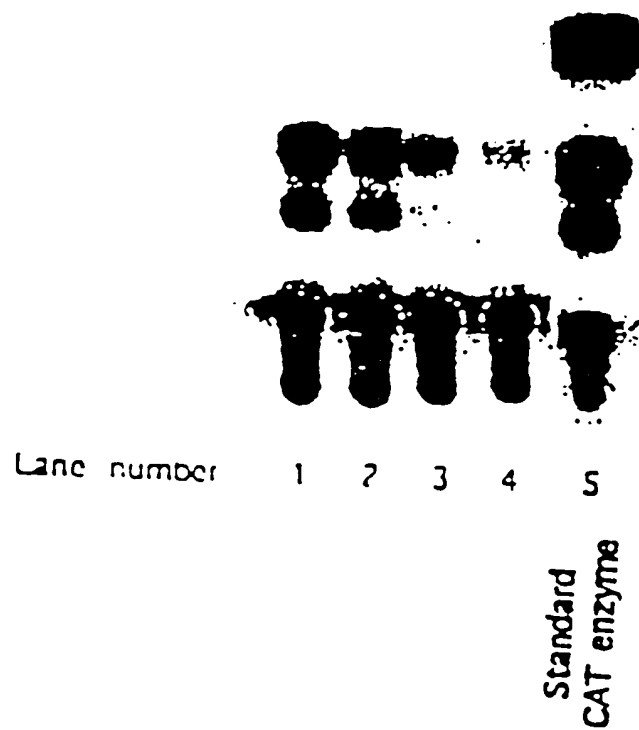


FIG. 6

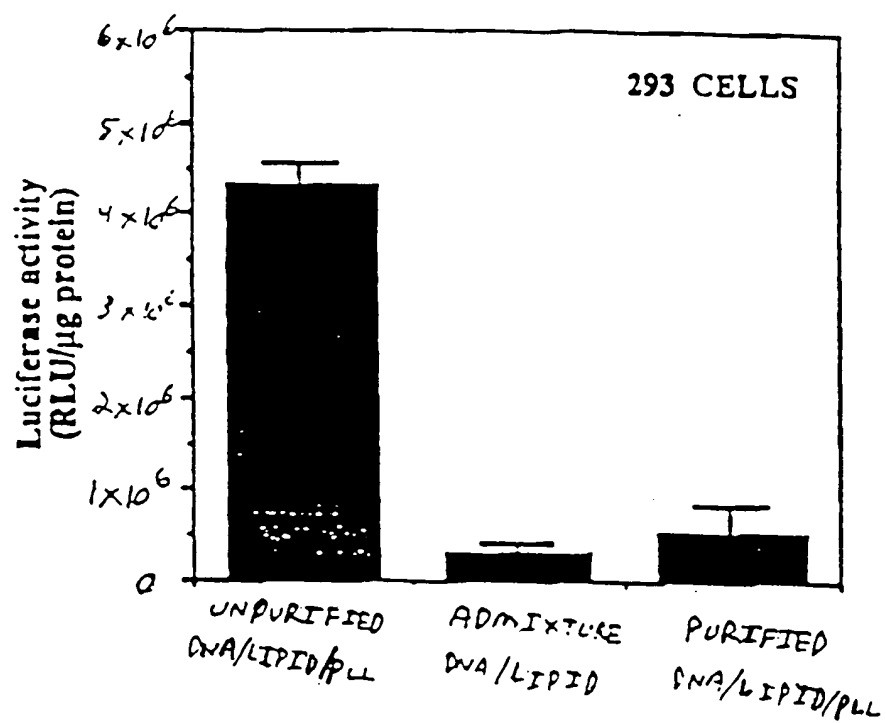


FIG. 7A

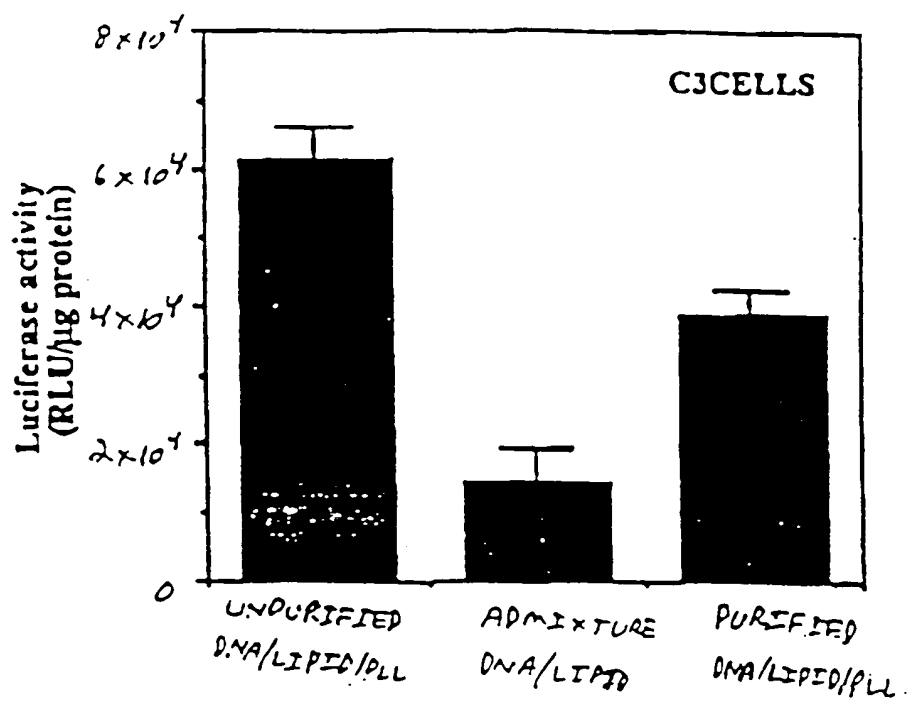


FIG. 7B



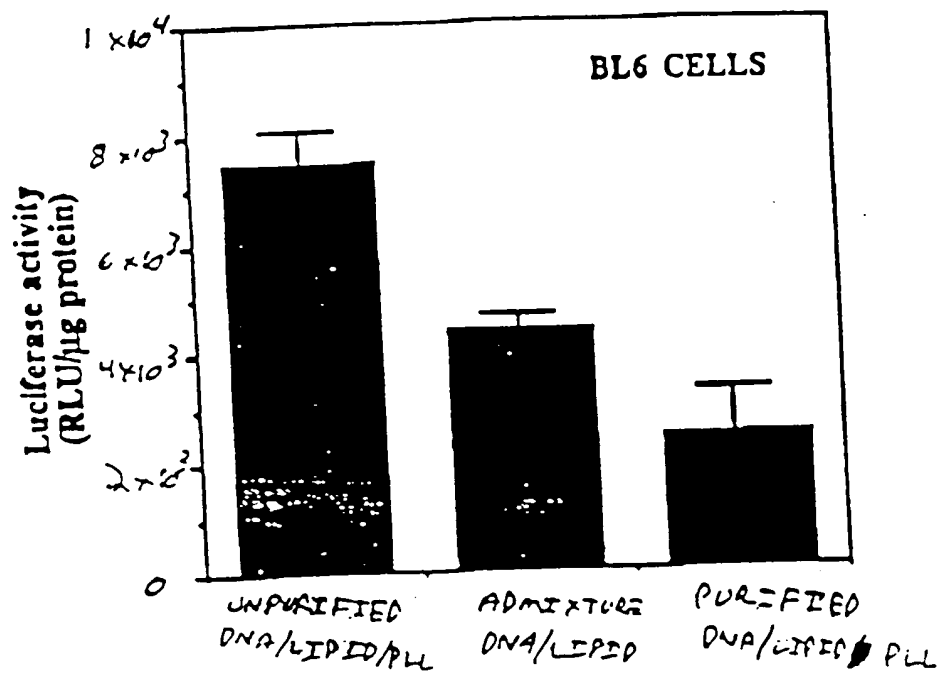
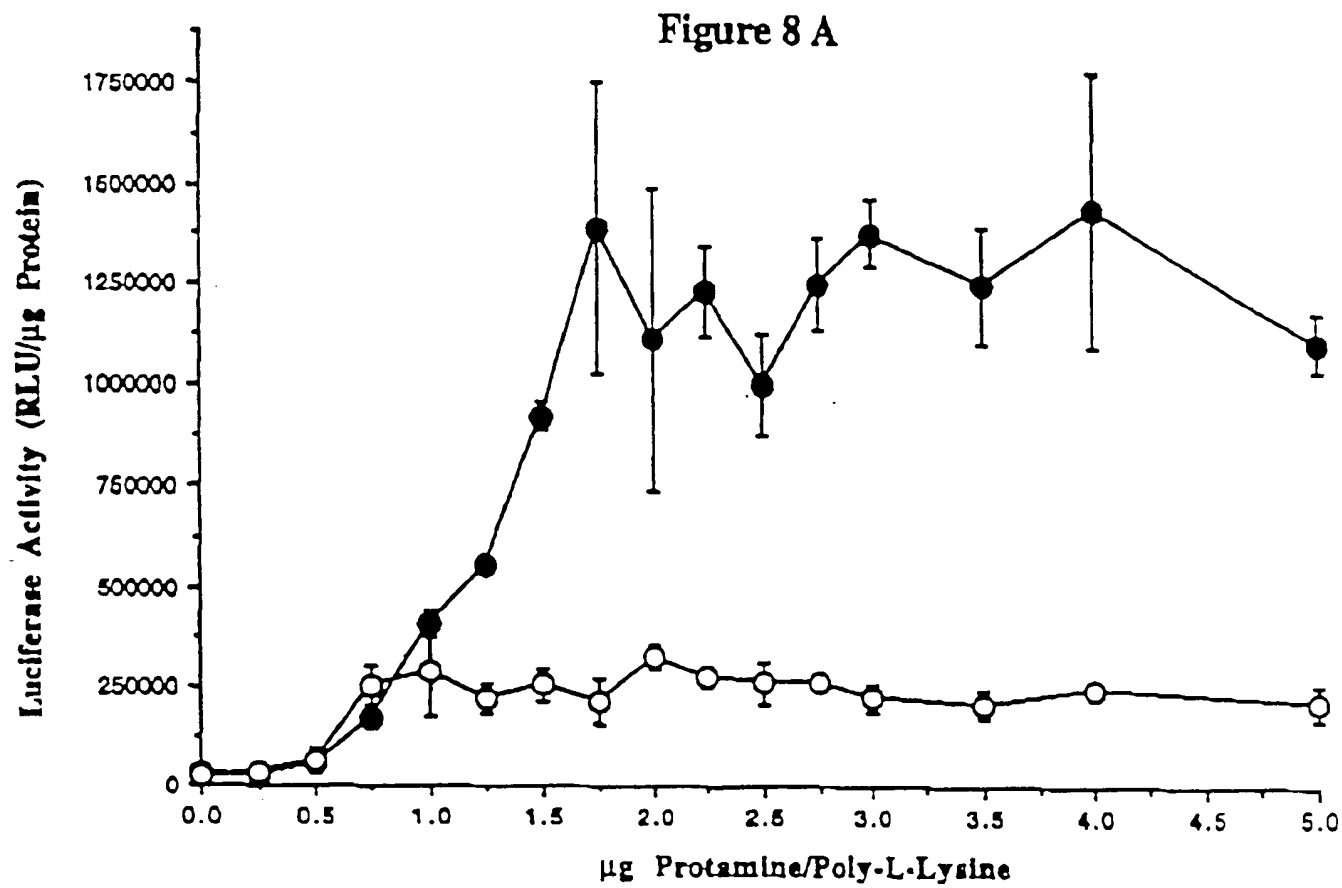


FIG. 7C



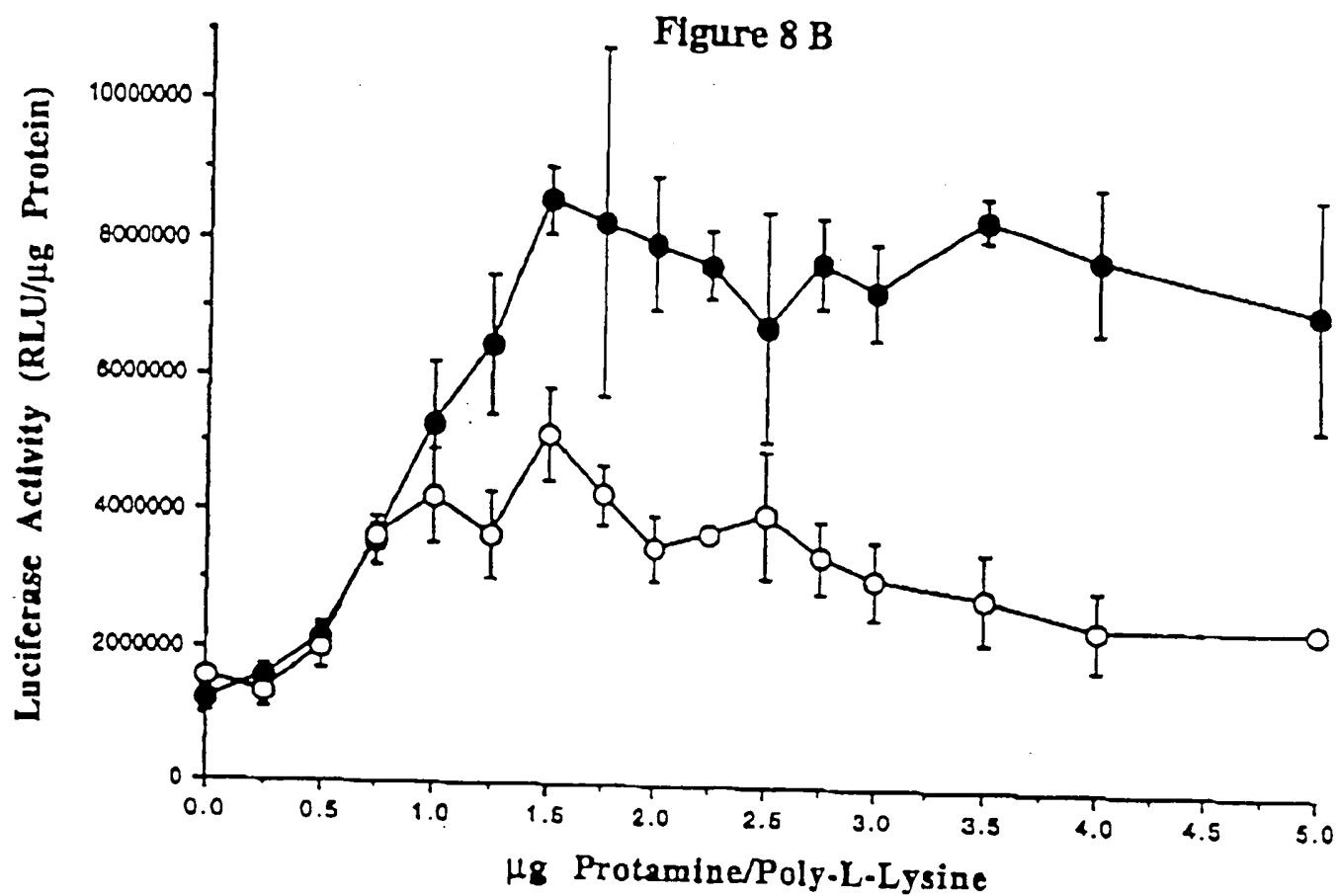
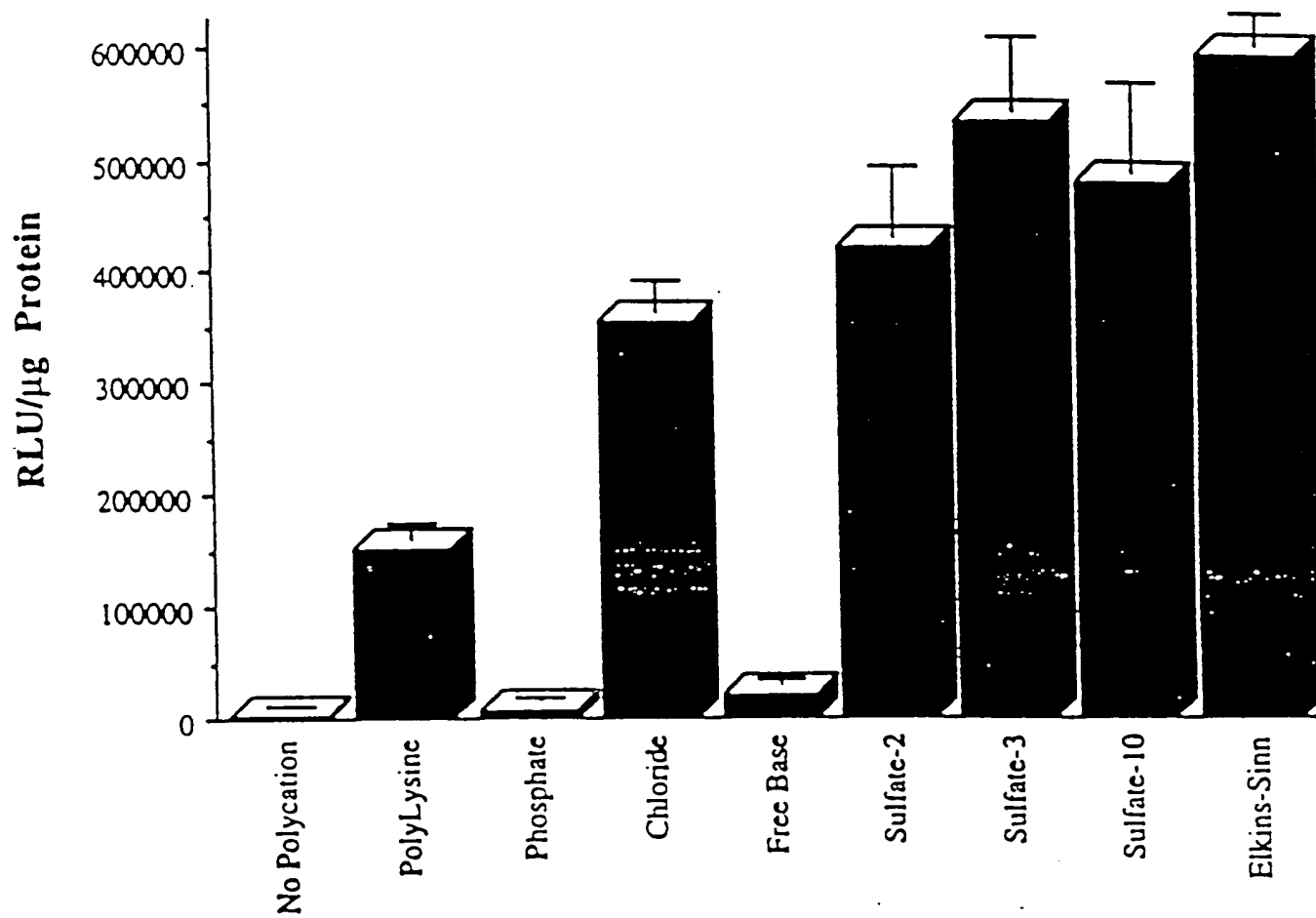
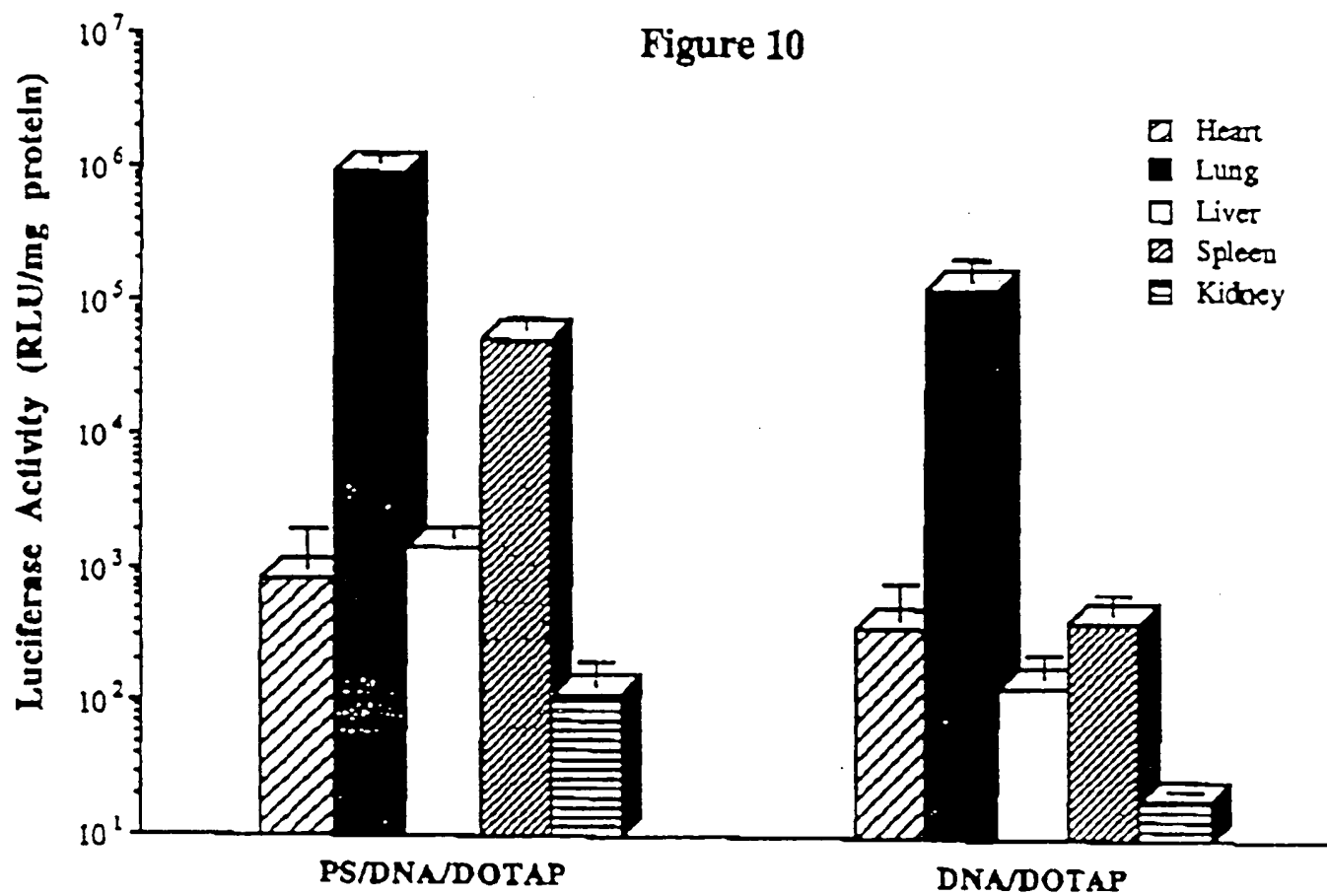
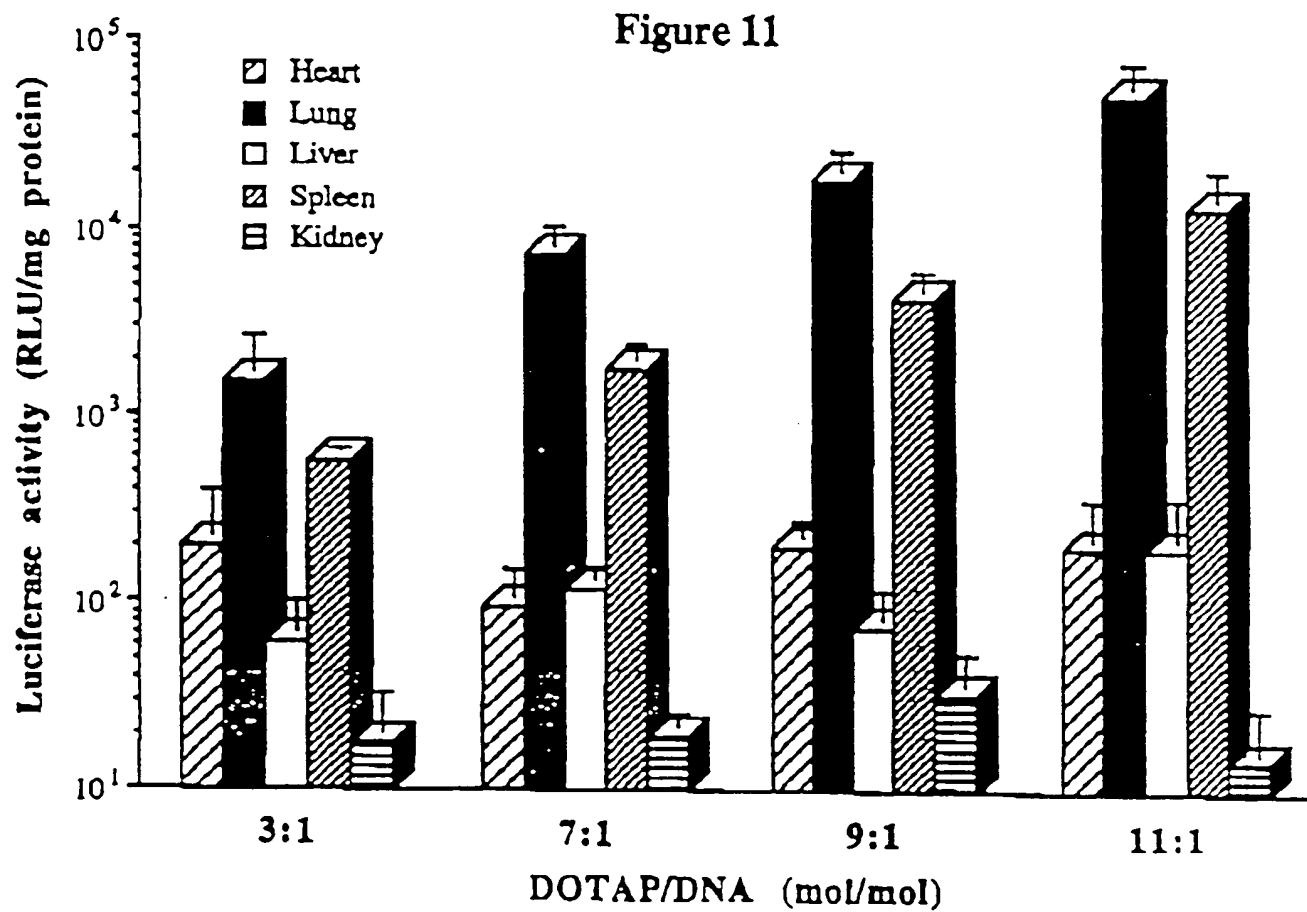
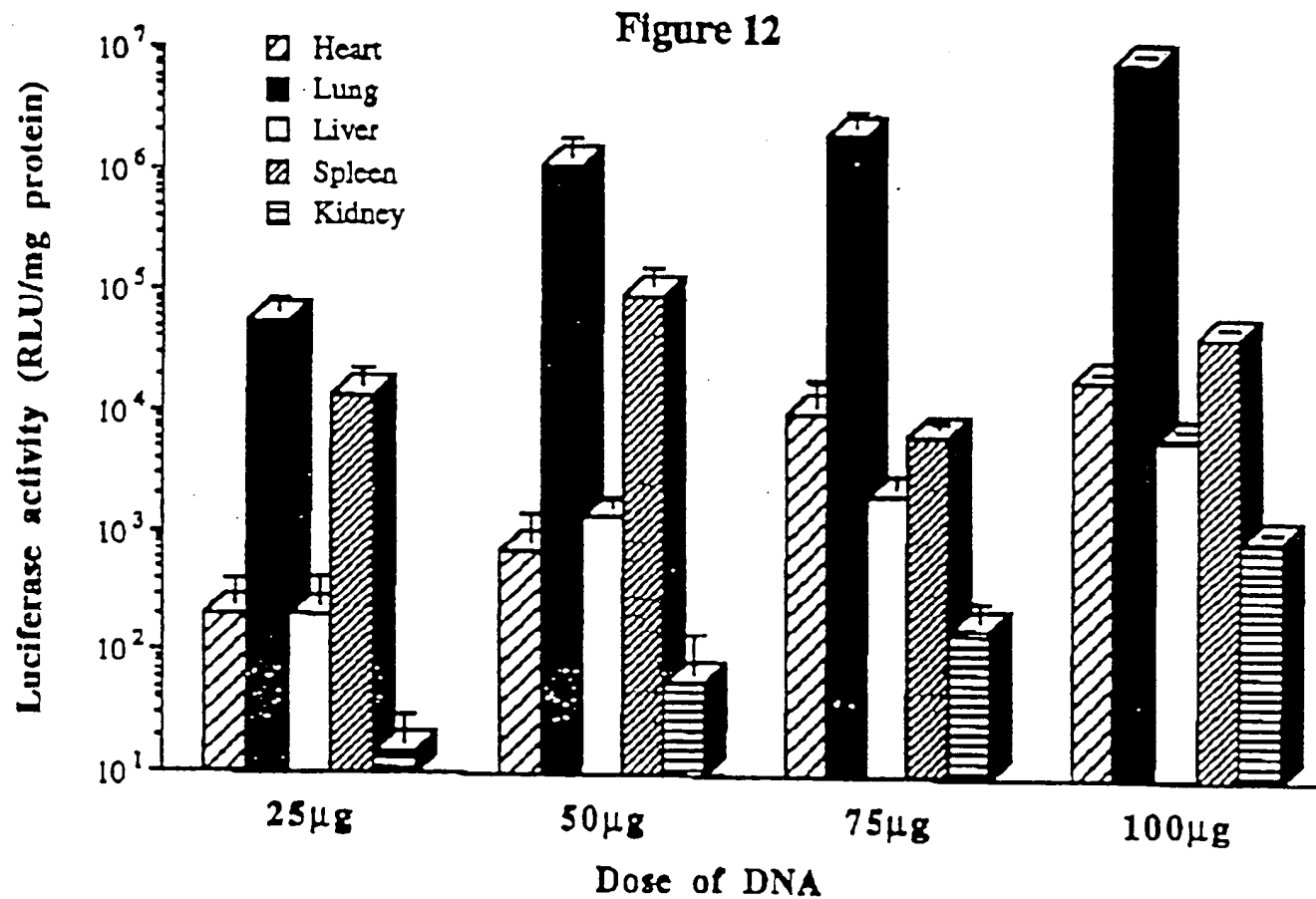


FIGURE 9









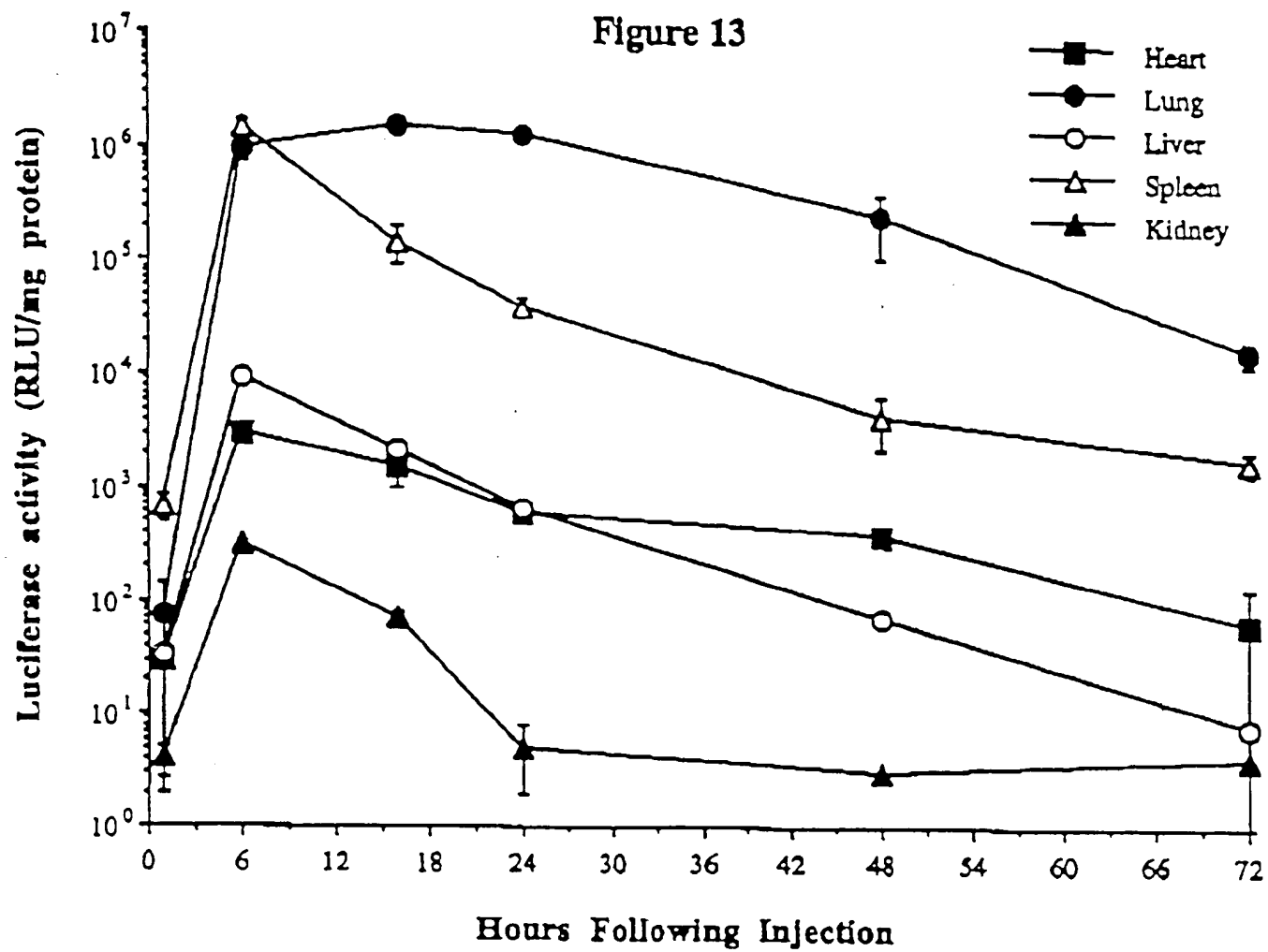




Figure 14

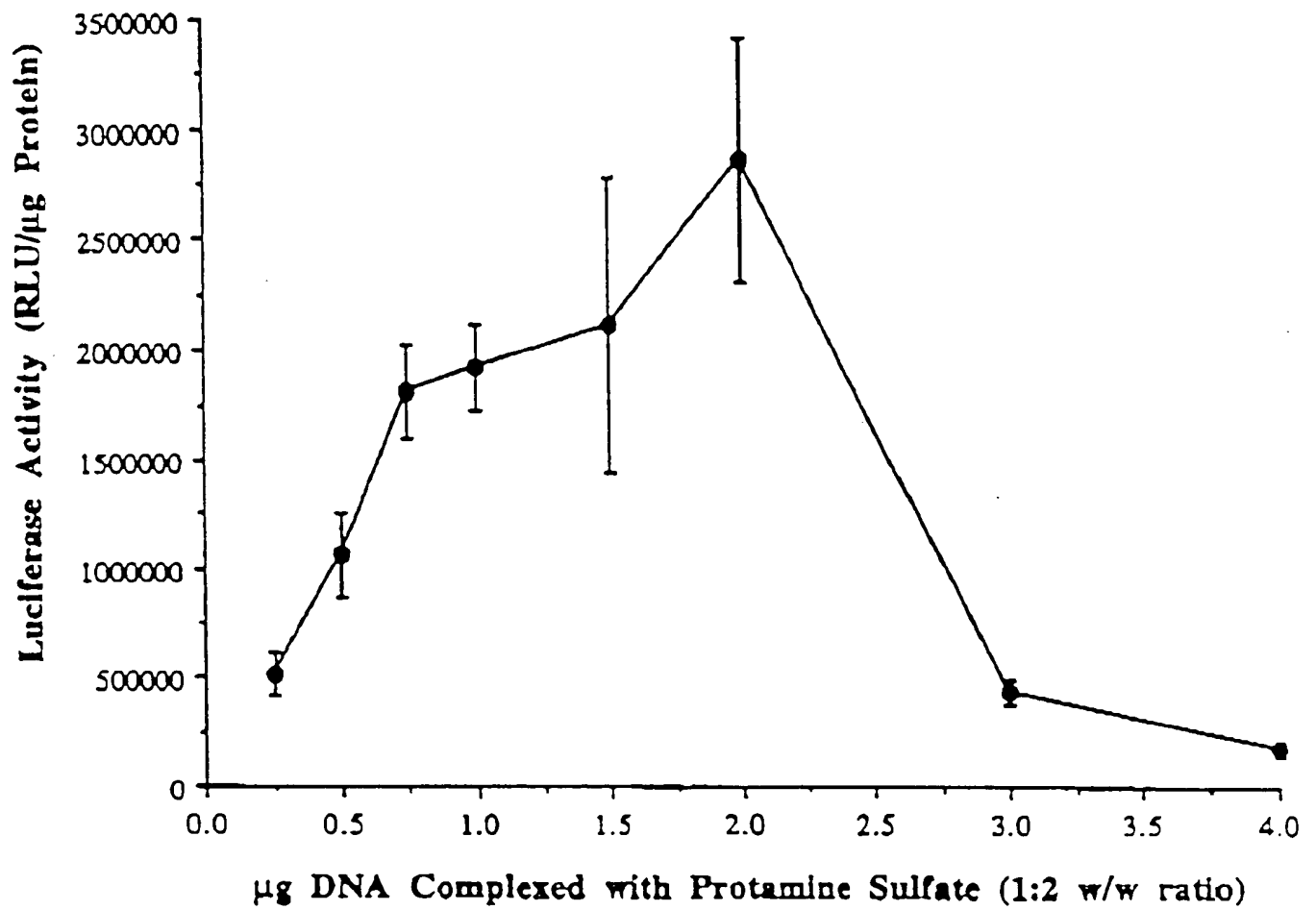


Figure 15

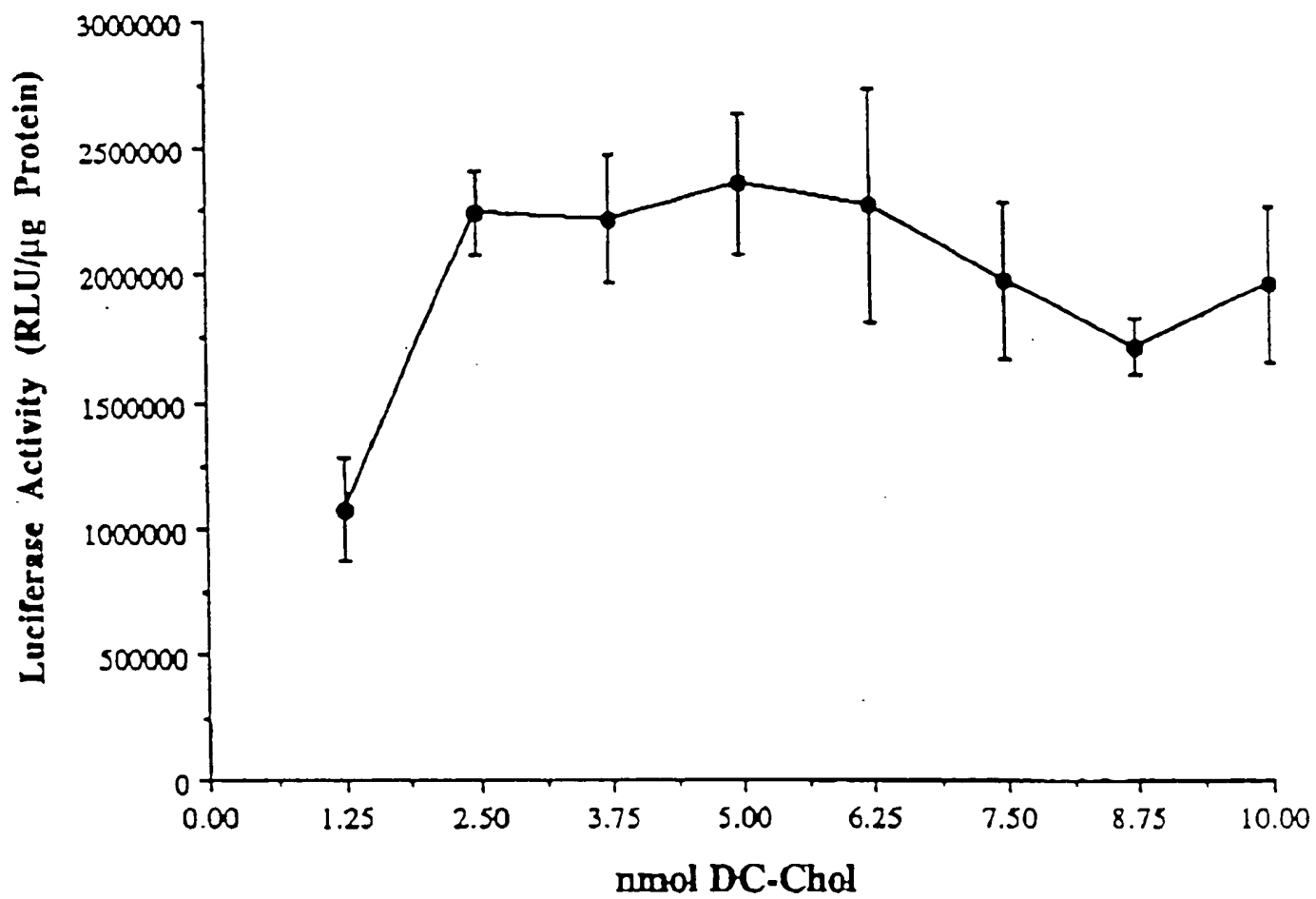
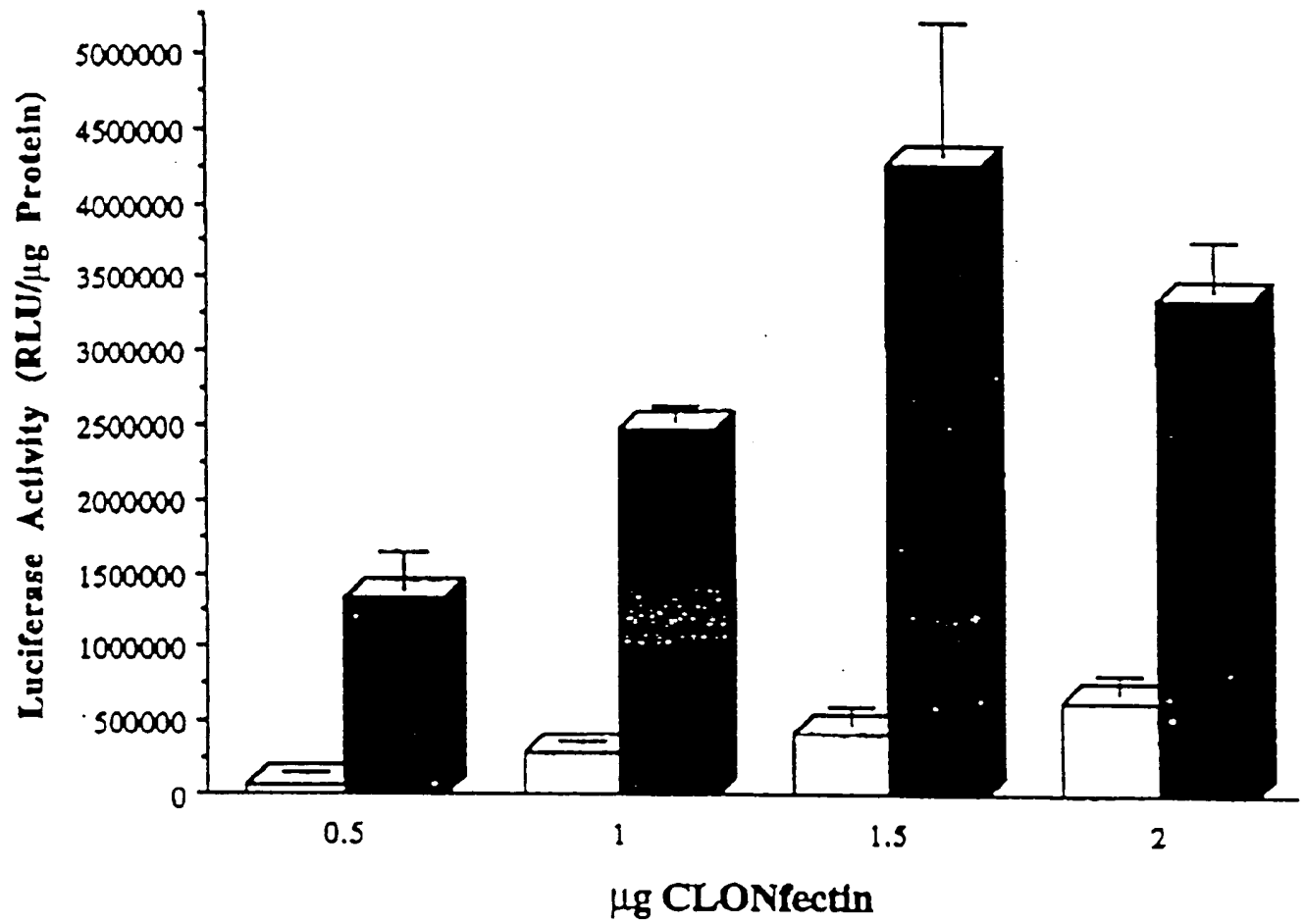


Figure 16



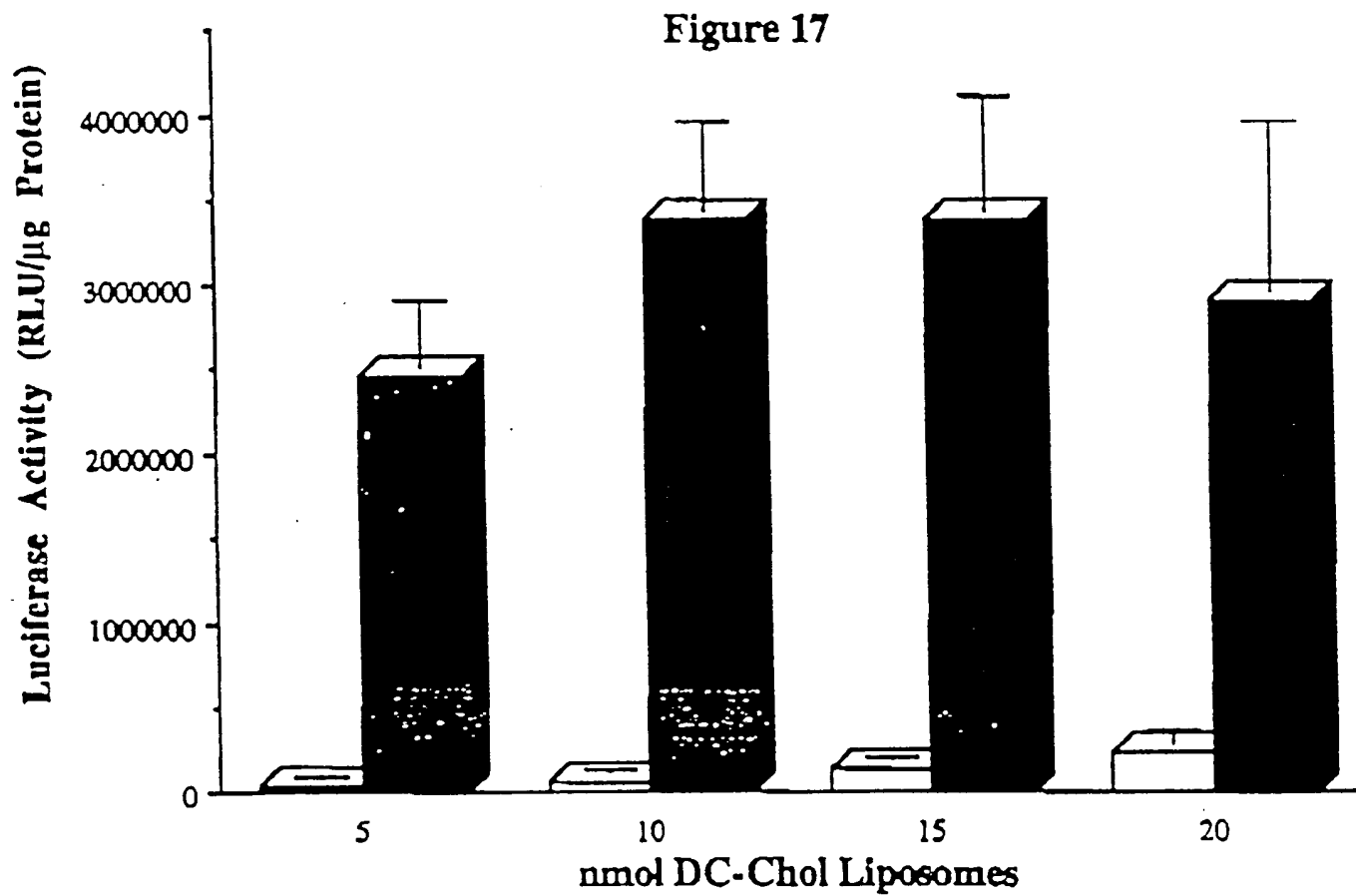


Figure 18

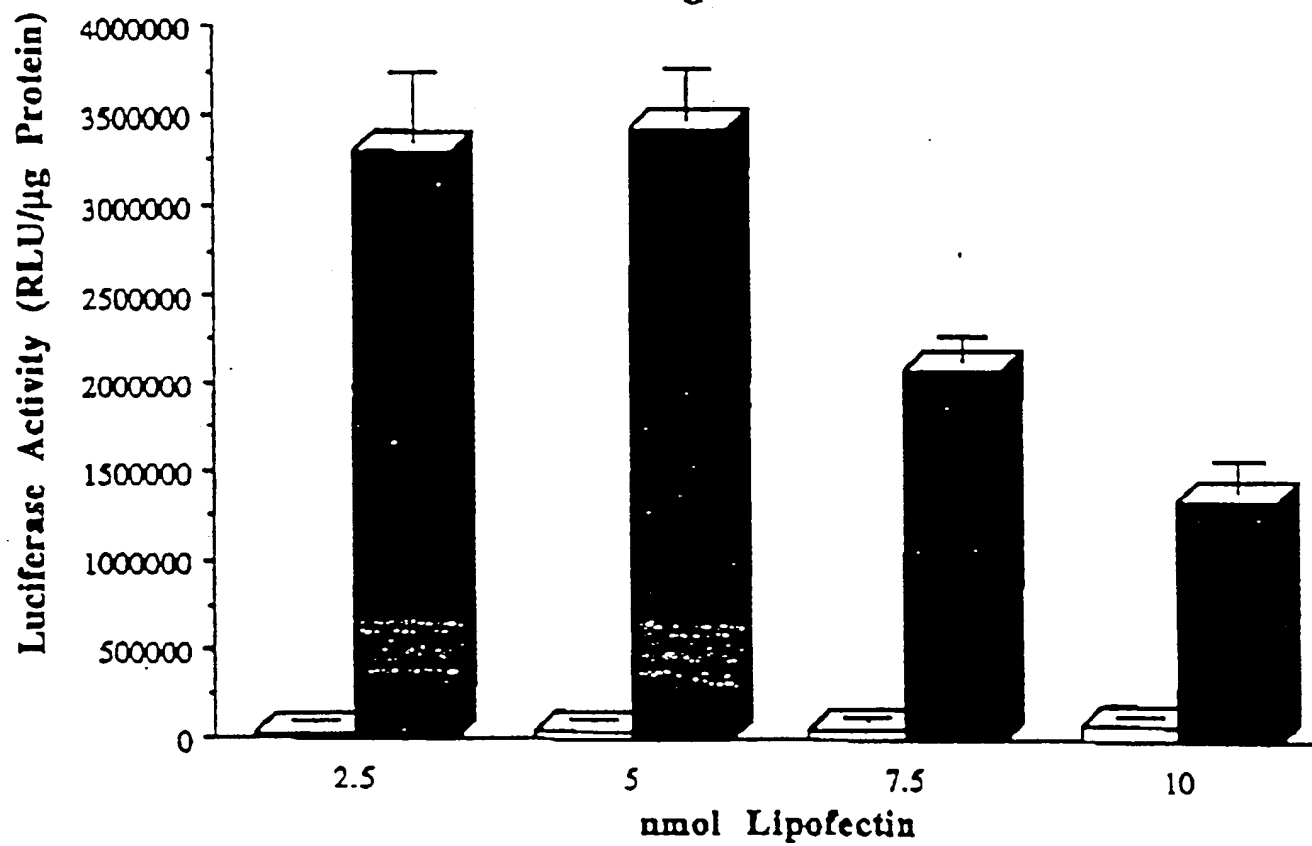
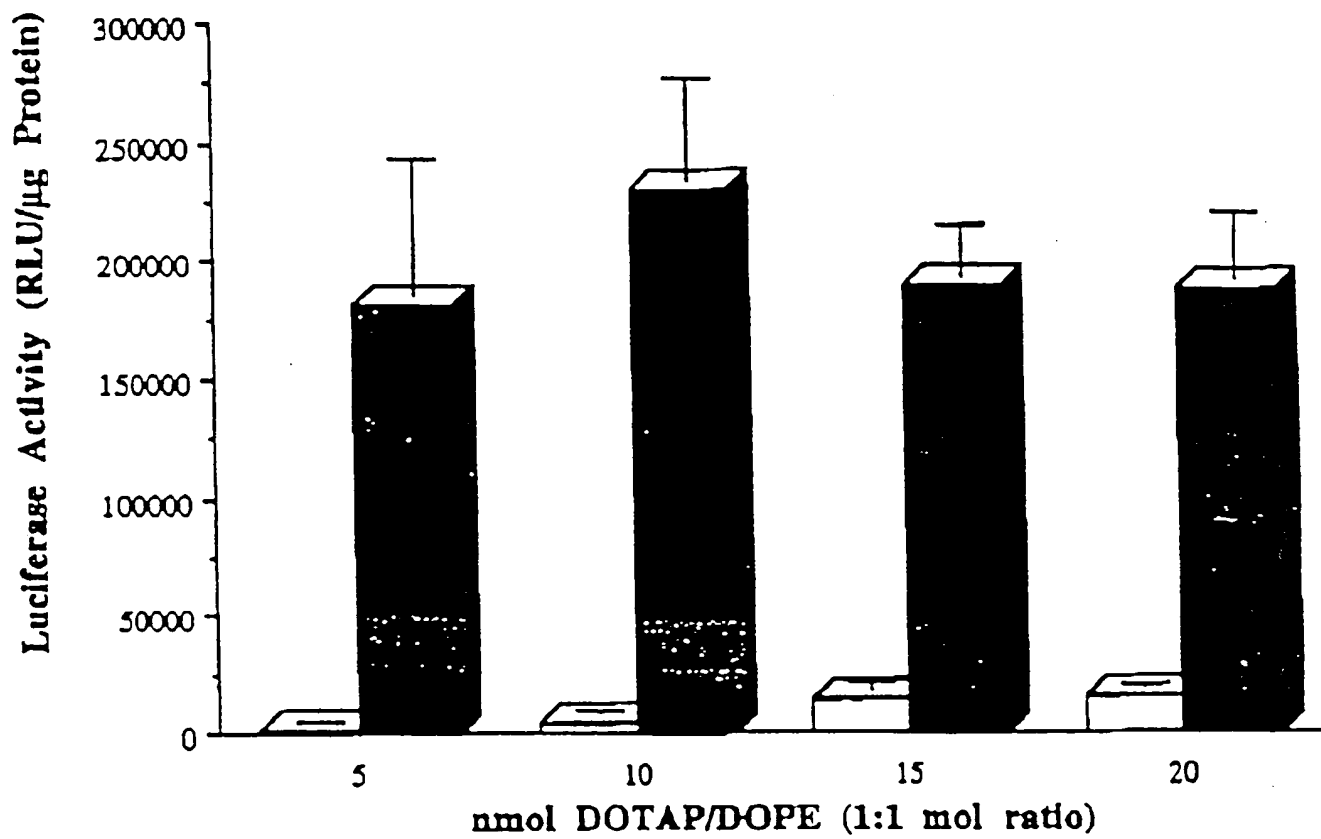


Figure 19



Average Particle Sizes (nm) With Matrix  
of Lipid:Protamine Sulfate:DNA Ratios

Protamine Sulfate:DNA Ratio	Lipid:DNA Ratio					
	1:1	2:1	3:1	5:1	10:1	
0:0	250	250	250	250	250	Day 0
	250	240	240	240	240	Day 7
0:1	250	250	240	240	3,500	Day 0
	250	240	240	250	1200	Day 7
0.1:1	240	250	240	290	1,400	Day 0
	240	240	240	290	916	Day 7
0.3:1	250	250	290	1,500	460	Day 0
	250	250	303	1,500	390	Day 7
0.5:1	260	360	1,000	330	260	Day 0
	260	380	940	310	260	Day 7
0.7:1	1,200	370	330	290	240	Day 0
	1570	360	320	270	240	Day 7
0.8:1	150	250	380	240	310	Day 0
	1900	1900	450	232	300	Day 7
1.0:1	170	180	180	200	200	Day 0
	170	180	180	190	200	Day 7
2.0:1	180	180	190	200	190	Day 0
	180	170	190	190	190	Day 7
4.0:1	220	220	220	230	220	Day 0
	220	220	220	230	220	Day 7

FIGURE 20

# LPD Gene Delivery Vehicles

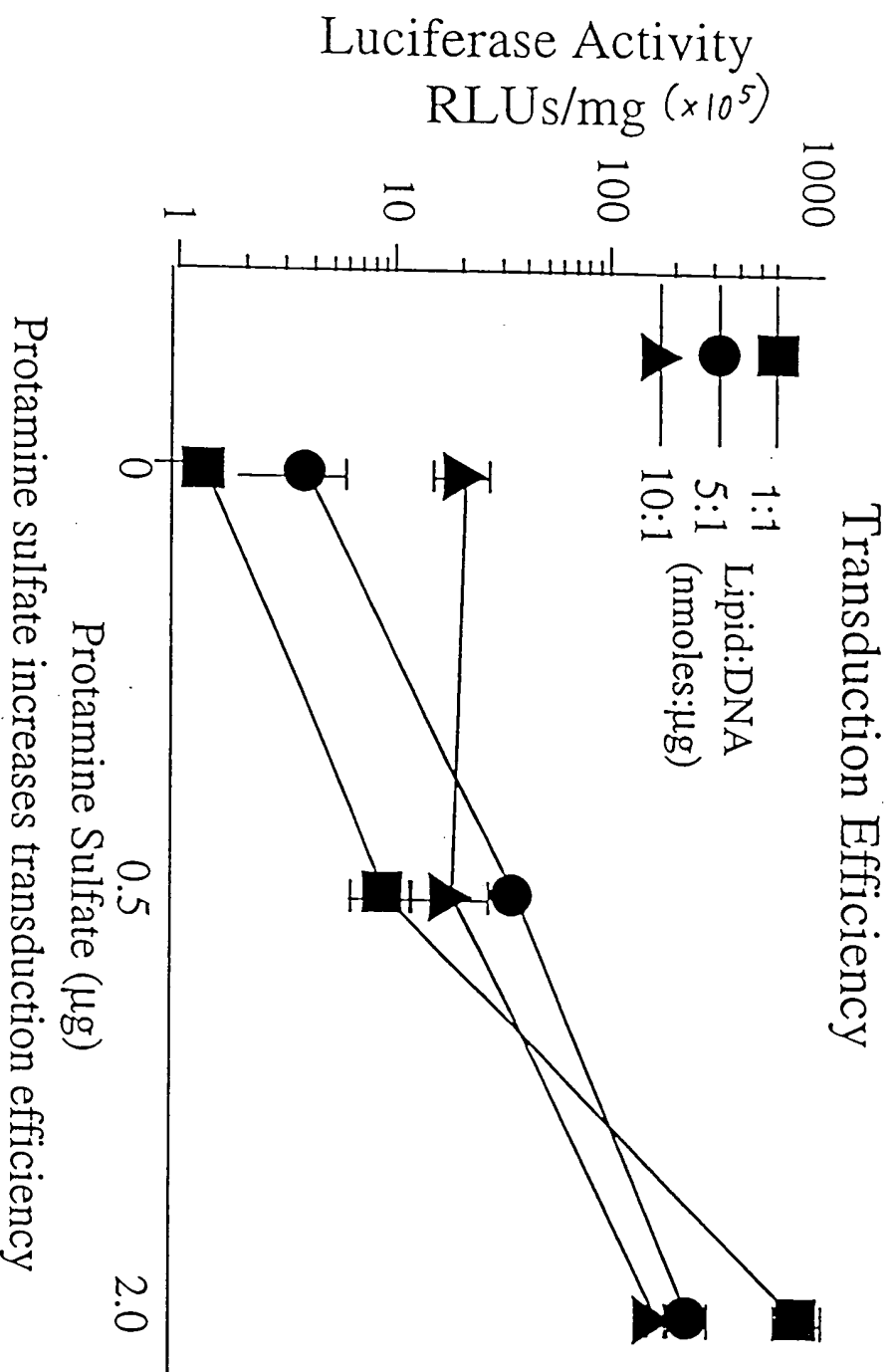


FIGURE 21



# LPD Gene Delivery Vehicles

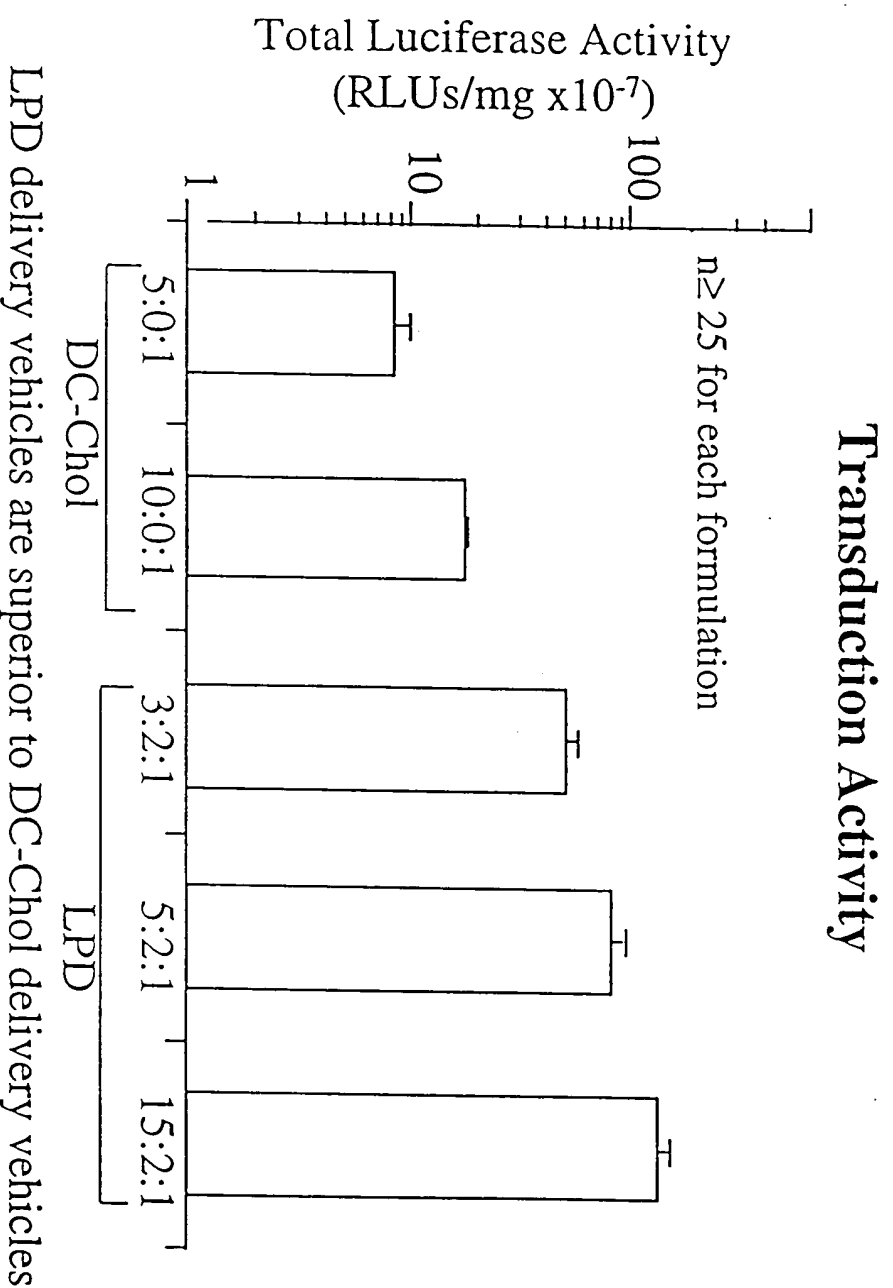


FIGURE 22

RLU/mg PROTEIN

1x10<sup>6</sup>  
1x10<sup>5</sup>  
1x10<sup>4</sup>  
1x10<sup>3</sup>  
1x10<sup>2</sup>

VEHICLE LPD 0:0:1 LPD 0:2:1 LPD 3:0:1 LPD 3:2:1 LPD 10:0:1 LPD 10:2:1 LPD 15:0:1 LPD 15:2:1

GROUPS

FIGURE 23

# LPD E1a Survival Study 15:2:1 LPD Dose Response

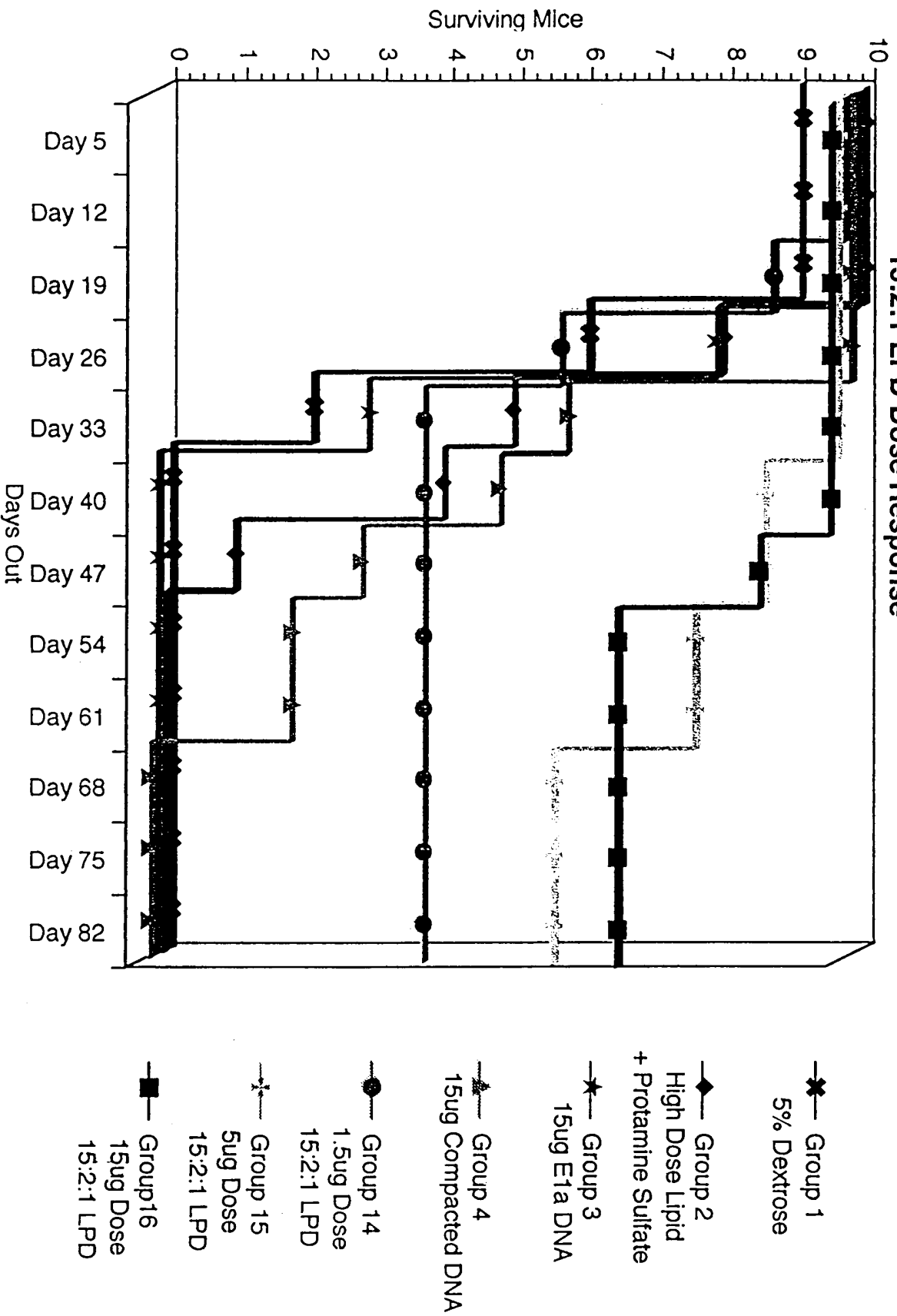


FIGURE 24